

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/581,913  
Source: IFWP  
Date Processed by STIC: 06/21/2006

# ***ENTERED***

**CRF Errors Edited by the STIC Systems Branch**

Serial Number: 10/581, 913

CRF Edit Date: 06/21/2006  
Edited by: DA

\_\_\_ **Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line**

\_\_\_ **Corrected the SEQ ID NO. Sequence numbers edited were:**

\_\_\_\_\_

\_\_\_ **Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:**

\_\_\_\_\_

   Deleted:    invalid beginning/end-of-file text ;    page numbers

\_\_\_ **Inserted mandatory headings/numeric identifiers, specifically:**

\_\_\_\_\_

\_\_\_ **Moved responses to same line as heading/numeric identifier, specifically:**

\_\_\_\_\_

\_\_\_ **Other:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



IFWP

## RAW SEQUENCE LISTING

DATE: 06/21/2006

PATENT APPLICATION: US/10/581,913

TIME: 13:45:33

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\06212006\J581913.raw

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3 <110> APPLICANT: Cohen, Irun R.
4     Douek, Daniel
5     Mimran, Avishai
6     Carmi, Pnina
7     Quintana, Francisco J.
9 <120> TITLE OF INVENTION: ANTIGEN RECEPTOR VARIABLE REGION TYPING
11 <130> FILE REFERENCE: 28809
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/581,913
C--> 13 <141> CURRENT FILING DATE: 2006-06-07
13 <160> NUMBER OF SEQ ID NOS: 74
15 <170> SOFTWARE: PatentIn version 3.2
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 1
19 <212> TYPE: PRT
20 <213> ORGANISM: Artificial sequence
22 <220> FEATURE:
23 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
24     of 23 novel Vbeta groups
26 <400> SEQUENCE: 1
28 Cys
29 1
32 <210> SEQ ID NO: 2
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34 <212> TYPE: PRT
35 <213> ORGANISM: Artificial sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
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39     of 23 novel Vbeta groups
41 <400> SEQUENCE: 2
43 Cys Ala
44 1
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 2
49 <212> TYPE: PRT
50 <213> ORGANISM: Artificial sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
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54     of 23 novel Vbeta groups
56 <400> SEQUENCE: 3
58 Cys Ser
59 1

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62 <210> SEQ ID NO: 4  
63 <211> LENGTH: 3

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64 <212> TYPE: PRT
65 <213> ORGANISM: Artificial sequence
67 <220> FEATURE:
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69     of 23 novel Vbeta groups
71 <400> SEQUENCE: 4
73 Cys Ala Ser
74 1
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 3
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80 <213> ORGANISM: Artificial sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
84     of 23 novel Vbeta groups
86 <400> SEQUENCE: 5
88 Cys Ala Trp
89 1
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 3
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
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99     of 23 novel Vbeta groups
101 <400> SEQUENCE: 6
103 Cys Ser Ala
104 1
107 <210> SEQ ID NO: 7
108 <211> LENGTH: 4
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
114     of 23 novel Vbeta groups
116 <400> SEQUENCE: 7
118 Cys Ala Ser Ser
119 1
122 <210> SEQ ID NO: 8
123 <211> LENGTH: 4
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
129     of 23 novel Vbeta groups
131 <400> SEQUENCE: 8
133 Cys Ala Thr Ser
134 1

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137 <210> SEQ ID NO: 9

## RAW SEQUENCE LISTING

DATE: 06/21/2006

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TIME: 13:45:33

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\06212006\J581913.raw

138 <211> LENGTH: 4  
 139 <212> TYPE: PRT  
 140 <213> ORGANISM: Artificial sequence  
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 143 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to  
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 144 of 23 novel Vbeta groups  
 146 <400> SEQUENCE: 9  
 148 Cys Ala Trp Ser  
 149 1  
 152 <210> SEQ ID NO: 10  
 153 <211> LENGTH: 4  
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 155 <213> ORGANISM: Artificial sequence  
 157 <220> FEATURE:  
 158 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to  
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 159 of 23 novel Vbeta groups  
 161 <400> SEQUENCE: 10  
 163 Cys Ser Val Glu  
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 167 <210> SEQ ID NO: 11  
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 169 <212> TYPE: PRT  
 170 <213> ORGANISM: Artificial sequence  
 172 <220> FEATURE:  
 173 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to  
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 174 of 23 novel Vbeta groups  
 176 <400> SEQUENCE: 11  
 178 Cys Ser Ala Arg  
 179 1  
 182 <210> SEQ ID NO: 12  
 183 <211> LENGTH: 5  
 184 <212> TYPE: PRT  
 185 <213> ORGANISM: Artificial sequence  
 187 <220> FEATURE:  
 188 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to  
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 189 of 23 novel Vbeta groups  
 191 <400> SEQUENCE: 12  
 193 Cys Ala Ser Ser Leu  
 194 1 5  
 197 <210> SEQ ID NO: 13  
 198 <211> LENGTH: 5  
 199 <212> TYPE: PRT  
 200 <213> ORGANISM: Artificial sequence  
 202 <220> FEATURE:  
 203 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to  
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 204 of 23 novel Vbeta groups  
 206 <400> SEQUENCE: 13  
 208 Cys Ala Ser Ser Gln

209 1

5



## RAW SEQUENCE LISTING

DATE: 06/21/2006

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TIME: 13:45:33

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\06212006\J581913.raw

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212 <210> SEQ ID NO: 14
213 <211> LENGTH: 5
214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial sequence
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218 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
219     of 23 novel Vbeta groups
221 <400> SEQUENCE: 14
223 Cys Ala Ser Ser Tyr
224 1      5
227 <210> SEQ ID NO: 15
228 <211> LENGTH: 5
229 <212> TYPE: PRT
230 <213> ORGANISM: Artificial sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
234     of 23 novel vbeta groups
236 <400> SEQUENCE: 15
238 Cys Ala Ser Ser Glu
239 1      5
242 <210> SEQ ID NO: 16
243 <211> LENGTH: 5
244 <212> TYPE: PRT
245 <213> ORGANISM: Artificial sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
249     of 23 novel Vbeta groups
251 <400> SEQUENCE: 16
253 Cys Ala Ser Ser Val
254 1      5
257 <210> SEQ ID NO: 17
258 <211> LENGTH: 5
259 <212> TYPE: PRT
260 <213> ORGANISM: Artificial sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
264     of 23 novel Vbeta groups
266 <400> SEQUENCE: 17
268 Cys Ala Ser Ser Ile
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272 <210> SEQ ID NO: 18
273 <211> LENGTH: 5
274 <212> TYPE: PRT
275 <213> ORGANISM: Artificial sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
279     of 23 novel Vbeta groups
281 <400> SEQUENCE: 18

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283 Cys Ala Ser Ser Asp

## RAW SEQUENCE LISTING

DATE: 06/21/2006

PATENT APPLICATION: US/10/581,913

TIME: 13:45:33

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\06212006\J581913.raw

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284 1          5
287 <210> SEQ ID NO: 19
288 <211> LENGTH: 5
289 <212> TYPE: PRT
290 <213> ORGANISM: Artificial sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
294          of 23 novel Vbeta groups
296 <400> SEQUENCE: 19
298 Cys Ala Ser Ser Pro
299 1          5
302 <210> SEQ ID NO: 20
303 <211> LENGTH: 5
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
309          of 23 novel Vbeta groups
311 <400> SEQUENCE: 20
313 Cys Ala Ser Gly Leu
314 1          5
317 <210> SEQ ID NO: 21
318 <211> LENGTH: 5
319 <212> TYPE: PRT
320 <213> ORGANISM: Artificial sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
324          of 23 novel Vbeta groups
326 <400> SEQUENCE: 21
328 Cys Ala Thr Ser Arg
329 1          5
332 <210> SEQ ID NO: 22
333 <211> LENGTH: 5
334 <212> TYPE: PRT
335 <213> ORGANISM: Artificial sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
339          of 23 novel Vbeta groups
341 <400> SEQUENCE: 22
343 Cys Ala Ile Ser Glu
344 1          5
347 <210> SEQ ID NO: 23
348 <211> LENGTH: 6
349 <212> TYPE: PRT
350 <213> ORGANISM: Artificial sequence
352 <220> FEATURE:
353 <223> OTHER INFORMATION: A carboxy terminal portion of a Vbeta-segment, belonging to
one
354          of 23 novel Vbeta groups

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356 <400> SEQUENCE: 23

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/581,913

DATE: 06/21/2006

TIME: 13:45:34

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\06212006\J581913.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing  
(for reference only)**



IFWP

## RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/581,913

TIME: 11:29:56

Input Set : A:\31960 Sequence Listing.txt

Output Set: N:\CRF4\06192006\J581913.raw

3 <110> APPLICANT: Cohen, Irun R.  
 4 Douek, Daniel  
 5 Mimran, Avishai  
 6 Carmi, Pnina  
 7 Quintana, Francisco J.  
 9 <120> TITLE OF INVENTION: ANTIGEN RECEPTOR VARIABLE REGION TYPING  
 11 <130> FILE REFERENCE: 28809  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/581,913  
 C--> 13 <141> CURRENT FILING DATE: 2006-06-07  
 13 <160> NUMBER OF SEQ ID NOS: 74  
 15 <170> SOFTWARE: PatentIn version 3.2

Does Not Comply  
 Corrected Diskette Needed  
 (pg-1)

## ERRORED SEQUENCES

999 <210> SEQ ID NO: 74  
 1000 <211> LENGTH: 29  
 1001 <212> TYPE: DNA  
 1002 <213> ORGANISM: Artificial sequence  
 1004 <220> FEATURE:  
 1005 <223> OTHER INFORMATION: Single strand DNA oligonucleotide  
 1007 <400> SEQUENCE: 74  
 1008 tgcttctgat ggctcaaaca cagcgacct  
 E--> 1015 <sup>1</sup>

29

deleted

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/581,913

DATE: 06/19/2006

TIME: 11:29:57

Input Set : A:\31960 Sequence Listing.txt

Output Set: N:\CRF4\06192006\J581913.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1015 M:254 E: No. of Bases conflict, this line has no nucleotides.